

CLASS SPECIFICATION
County of Fairfax, Virginia

CLASS CODE: 6548

TITLE: PLANT MECHANIC II

GRADE: S-15

DEFINITION:

Under supervision, performs skilled mechanical work in the maintenance and repair of specialized machinery in wastewater pumping stations, sewage treatment plants, and flow metering stations located throughout the County; and performs related work as required.

DISTINGUISHING CHARACTERISTICS OF THE CLASS:

Employees in this class are skilled journey-level mechanics responsible for performing the full range of technical and mechanical tasks associated with the preventive and corrective maintenance of water pollution control plant machinery and equipment. Work is performed within the scope of standard policies and procedures. Instructions and guidance are furnished with respect to non-routine situations or conditions. Incumbents are normally expected to work independently and to use a relatively high degree of initiative and independent judgment.

ILLUSTRATIVE DUTIES:

Inspects and repairs or replaces specialized pollution control plant equipment used to remove large objects and/or refuse, clear away sediment, and pulverize sewage (such as heavy-duty pumps; disk screens; piston, centrifugal and diaphragm pumps; flushing water pumps; blowers and air compressors; vacuum filter equipment; and gasoline and diesel engines);
Identifies required parts from equipment diagram or parts lists and requisitions necessary parts to repair or replace gears, bearings, housings, impellers, sleeves, mechanical and electrical pneumatic controls, clutch plates, carburetors and other engine components, etc.;
Performs minor plumbing and electrical work;
Lubricates equipment and changes oil in gear boxes and motors;
Cleans filters;
Adjusts belts of vacuum pumps;
Adjusts packing on filter pumps;
Maintains records of work required, work performed and materials used;
Checks unstaffed pumping stations;
May oversee the work of Plant Mechanics I.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of the methods, tools and equipment used in mechanical maintenance and repair work;
Knowledge of occupational hazards and applicable safety practices;
Knowledge and competence to complete minor electrical and plumbing repairs as necessary;
Ability to estimate time and parts needs, determine when repair is not economically practical, and perform the full range of technical and mechanical tasks associated with repair and maintenance of equipment;
Ability to exchange information with supervisors, co-workers, and subordinates;

Ability to teach others the technical and mechanical repair and maintenance skills that have been acquired;

Ability to observe plant equipment and determine whether it is operating effectively;

Ability to understand and follow oral and written instructions;

Ability to read, understand and follow manufacturers' service and repair manuals;

Ability to keep records and write work-related reports;

Ability to use hand and power tools skillfully, efficiently and safely;

Dexterity necessary to perform all tasks;

Ability to distinguish colors of electrical wiring;

Ability to lift and carry objects weighing up to 50 pounds (either alone or with one or more co-workers) while moving or placing heavy motors and other water pollution control equipment being repaired or maintained;

Ability to perform work while stooping, bending, working in tiring and uncomfortable positions, or regularly working on a scaffold.

EMPLOYMENT STANDARDS:

Any combination of education, experience, and training equivalent to the following:

High school graduation or a G.E.D. issued by a state department of education; PLUS

Three years of mechanical experience, six months of which must have been in plant operations at a level equivalent to Plant Mechanic I or above.

CERTIFICATES AND LICENSES REQUIRED:

Possession of a valid Motor Vehicle Driver's License is required for some positions in this class.

REVISED: October 12, 1995

REVISED: September 28, 1995